Journal of Fluid Mechanics Volume 459 25 May 2002

V. Armenio & S. Sarkar	An investigation of stably stratified turbulent channel flow using large-eddy simulation	1
I. M. Wallwork, S. P. Decent, A. C. King & R. M. S. M. Schulkes	The trajectory and stability of a spiralling liquid jet. Part 1. Inviscid theory	43
R. A. Antonia, T. Zhou & G. P. Romano	Small-scale turbulence characteristics of two-dimensional bluff body wakes	67
G. L. Holtzer & L. R. Collins	Relationship between the intrinsic radial distribution function for an isotropic field of particles and lower-dimensional measurements	93
S. Ghosal	Lubrication theory for electro-osmotic flow in a microfluidic channel of slowly varying cross-section and wall charge	103
P. K. Yeung & B. L. Sawford	Random-sweeping hypothesis for passive scalars in isotropic turbulence	129
S. Jakirlić & K. Hanjalić	A new approach to modelling near-wall turbulence energy and stress dissipation	139
N. Sudani, M. Sato, T. Karasawa, J. Noda A. Tate & M. Watanabe	Irregular effects on the transition from regular to Mach reflection of shock waves in wind tunnel flows	167
W. Y. Lee, M. Wong & Y. Zohar	Microchannels in series connected via a contraction/expansion section	187
D. Pritchard & A. J. Hogg	Draining viscous gravity currents in a vertical fracture	207
S. Bake, D. G. W. Meyer & U. Rist	Turbulence mechanism in Klebanoff transition: a quantitative comparison of experiment and direct numerical simulation	217
M. Gamero-Castaño & V. Hruby	Electric measurements of charged sprays emitted by cone-jets	245
S. G. Sajjadi	Vorticity generated by pure capillary waves	277
M.-L. E. Timmermans & J. R. Lister	The effect of surfactant on the stability of a liquid thread	289
E. R. Pardyjak, P. Monti & H. J. S. Fernando	Flux Richardson number measurements in stable atmospheric shear flows	307
Y. Bertho, F. Giorgiutti-Dauphiné, T. Raafat, E. J. Hinch, H. J. Herrmann & J. P. Hulin	Powder flow down a vertical pipe: the effect of air flow	317
E. Serre & P. Bontoux	Vortex breakdown in a three-dimensional swirling flow	347
C. Olendraru & A. Sellier	Viscous effects in the absolute–convective instability of the Batchelor vortex	371
H. Wang & A. W.-K. Law	Second-order integral model for a round turbulent buoyant jet	397
H. Wang & W. K. George	The integral scale in homogeneous, isotropic turbulence	429
INDEX TO VOLUME 459		444

CAMBRIDGE UNIVERSITY PRESS

Cambridge Journals Online
journals.cambridge.org

0022-1120(200205)459;1-V

Journal of Fluid Mechanics Volume 459 25 May 2002

V. Armenio & S. Sarkar	An investigation of stably stratified turbulent channel flow using large-eddy simulation	1
I. M. Wallwork, S. P. Decent, A. C. King & R. M. S. M. Schulkes	The trajectory and stability of a spiralling liquid jet. Part 1. Inviscid theory	43
R. A. Antonia, T. Zhou & G. P. Romano	Small-scale turbulence characteristics of two-dimensional bluff body wakes	67
G. L. Holtzer & L. R. Collins	Relationship between the intrinsic radial distribution function for an isotropic field of particles and lower-dimensional measurements	93
S. Ghosal	Lubrication theory for electro-osmotic flow in a microfluidic channel of slowly varying cross-section and wall charge	103
P. K. Yeung & B. L. Sawford	Random-sweeping hypothesis for passive scalars in isotropic turbulence	129
S. Jakirlić & K. Hanjalić	A new approach to modelling near-wall turbulence energy and stress dissipation	139
N. Sudani, M. Sato, T. Karasawa, J. Noda A. Tate & M. Watanabe	Irregular effects on the transition from regular to Mach reflection of shock waves in wind tunnel flows	167
W. Y. Lee, M. Wong & Y. Zohar	Microchannels in series connected via a contraction/expansion section	187
D. Pritchard & A. J. Hogg	Draining viscous gravity currents in a vertical fracture	207
S. Bake, D. G. W. Meyer & U. Rist	Turbulence mechanism in Klebanoff transition: a quantitative comparison of experiment and direct numerical simulation	217
M. Gamero-Castaño & V. Hruby	Electric measurements of charged sprays emitted by cone-jets	245
S. G. Sajjadi	Vorticity generated by pure capillary waves	277
M.-L. E. Timmermans & J. R. Lister	The effect of surfactant on the stability of a liquid thread	289
E. R. Pardyjak, P. Monti & H. J. S. Fernando	Flux Richardson number measurements in stable atmospheric shear flows	307
Y. Bertho, F. Giorgiutti-Dauphiné, T. Raafat, E. J. Hinch, H. J. Herrmann & J. P. Hulin	Powder flow down a vertical pipe: the effect of air flow	317
E. Serre & P. Bontoux	Vortex breakdown in a three-dimensional swirling flow	347
C. Olendraru & A. Sellier	Viscous effects in the absolute–convective instability of the Batchelor vortex	371
H. Wang & A. W.-K. Law	Second-order integral model for a round turbulent buoyant jet	397
H. Wang & W. K. George	The integral scale in homogeneous, isotropic turbulence	429
INDEX TO VOLUME 459		444

CAMBRIDGE UNIVERSITY PRESS

Cambridge Journals Online
journals.cambridge.org

0022-1120(200205)459;1-V